A L E R T P E R I O D S The International Space Environment Service

FEBRUARY 2005

lui i an	Date of Issue	Date of Obs	Wolf No.	10-cm Solar Flux	A- index			tion	F	Flares			Region	
Julian Day						Rgn No.	Lat	Lon	0pt	M	Х	of Fcst	Fcst(1)	Geoadvice(1)
032	01	31	49	86	18	10727	s09	₩53	0	0	0	01	Q	SOL: Quiet
						10728 10729	\$11 \$10	W12 E18	0 0	0	0 0	01 01	Q Q	MAG: Active PRO: Quiet
033	02	01	27	84	. 6	10727	s09	W68	0	0	0	02	Q	SOL: Quiet
						10729	\$08	E06	0 0	0 0	0	02 02	Q	MAG: Quiet PRO: Quiet
034	03	02	28	82	8	10727	s08	W84	0	0	0	03	Q	SOL: Quiet
						10729	S10	₩10	0	0	0	03 03	Q	MAG: Quiet PRO: Quiet
035	04	03	23	83	9	10727	S10	W97	0	0	0	04	Q	SOL: Quiet
						10729	S11	W25	0	0	0	04 04	Q	MAG: Quiet PRO: Quiet
036	05	04	22	82	2	10729	S11	₩39	0	0	0	05 05	Q	SOL: Eruptive
						10730	S20	E73	0	0	0	05	Q	MAG: Quiet PRO: Quiet
037	06	05	22	95	1	10729 10730	S11 S20	₩52 E60	0 0	0 0	0 0	06 06	Q Q	SOL: Eruptive
						10/30	520	200	ő	ŏ	Ö	06	•	PRO: Quiet
038	07	06	47	97	10	10729 10730	S11 S20	W66 E46	0	0	0 0	07 07	Q Q	SOL: Eruptive MAG: Active
						10731 10732	S02 N09	E27 E70	0	Ŏ O	0	07 07	Q E	PRO: Quiet
039	08	07	62	103	29	10729	s11	₩79	0	0	0	08	_ Q	SOL: Eruptive
						10730 10731	\$20 \$02	E33 E14	0	0	0	80 80	Q	MAG: Active PRO: Quiet
					*	10732 10733	N09 S09	E57 E78	Ŏ O	Ŏ O	Ŏ O	08 08	Q E	THO: WITCE
040	09	08	53	108	34	10730	s20	E20	0	0	0	09	Q	SOL: Eruptive
						10732 10733	N12 S08	E37 E67	0 0	0	0 0	09 09	Q E	MAG: Active PRO: Quiet
041	10	09	60	109	22	10730	S21	E09	0	0	0	10	Q	SOL: Eruptive
						10732 10733	N14 S08	E28 E54	0 0	0	0	10 10	Q Q	MAG: Active PRO: Quiet
						10734	s04	E71	0	0	0	10	Q	
042	11	10	63	114	18	10730 10732	S20 N17	W05 E17	0 0	0	0 0	11 11	Q Q	SOL: Eruptive MAG: Quiet
						10733	S08	E40	0	0	0	11	Q	PRO: Quiet
						10734 10735	s04 s08	E57 E74	0 0	0	0 0	11 11	Q Q	
043	12	11	73	114	11	10730 10732	S20 N11	₩19 ₩04	0	0	0	12 12	Q	SOL: Eruptive
						10733	\$08	E31	0	0	0	12	Q	PRO: Quiet
						10734 10735	S04 S08	E44 E60	0 0	0 0	0 0	12 12	Q Q	
044	13	12	72	116	5	10730	S20	W32	0	0	0	13	Q	SOL: Eruptive
						10732 10733	N11 S08	W17 E14	0	0 0	0	13 13	Q Q	MAG: Quiet PRO: Quiet
						10734 10735	S05 S08	E31 E47	0 0	0 0	0 0	13 13	Q Q	
045	14	13	73	116	3	10730	\$19	W44	0	0	0	14	Q	SOL: Eruptive
						10732 10733	N12 S09	W30 E01	0	0	0	14 14	Q E	MAG: Quiet PRO: Quiet
						10734	S04	E17	1	0	0	14	Q	ino. walet
						10735	s09	E34	0	0	0	14	Q	

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10732 112 143 0 0 0 0 1 15 0 0 MAG: 0 10734 SOS 113 MAG: 0 0 0 0 1 15 0 0 MAG: 0 10735 SOB E20 0 0 0 0 0 15 0 0							-	Lat	Lon	0pt	М	X			Geoadvice
10732 N12 W43 0 0 0 0 15 0 NAGE COLORS NAG				445	440	_	40770	-40			•		4=		
10733 SOP M13	046	15	14	115	118	5									SOL: Erup
10734 S05 E04															MAG: Quie
10735 S08 E20 0 0 0 15 0 0 15 0 0 0 0 15 0 0 0 0 17 0 0 0 0 1 0 0 0 0 0 0 0 0 0															PRO: Quie
047 16 15 69 122 3 10732 N08 H60 0 0 0 16 0 MAG: 0 10733 S08 H26 0 0 0 0 16 0 MAG: 0 10735 S08 H26 0 0 0 0 16 0 MAG: 0 10735 S08 H26 0 0 0 0 16 0 MAG: 0 10735 S08 H26 0 0 0 0 16 0 MAG: 0 10735 S08 H26 0 0 0 0 16 0 MAG: 0 10735 S08 H26 0 0 0 0 16 0 MAG: 0 10735 S08 H26 0 0 0 0 16 0 MAG: 0 10735 S08 H26 0 0 0 0 16 0 MAG: 0 10735 S08 H26 0 0 0 0 177 0 MAG: 0 10735 S08 H26 0 0 0 0 177 0 MAG: 0 10735 S07 H26 1 0 0 0 177 0 MAG: 0 10735 S07 H26 1 0 0 0 177 0 MAG: 0 10735 S07 H26 1 0 0 0 177 0 MAG: 0 10735 S07 H26 1 0 0 0 177 0 MAG: 0 10735 S07 H26 1 0 0 0 18 0 MAG: 0 10735 S10 H18 0 0 0 0 18 0 MAG: 0 10735 S10 H18 0 0 0 0 18 0 MAG: 0 10735 S10 H18 0 0 0 0 18 0 MAG: 0 10735 S10 H18 0 0 0 0 19 0 0 MAG: 0 10735 S09 H26 1 0 0 0 19 0 0 MAG: 0 10735 S09 H26 1 0 0 0 19 0 0 MAG: 0 10735 S09 H26 1 0 0 0 19 0 0 MAG: 0 10735 S09 H26 1 0 0 0 19 0 0 MAG: 0 10735 S09 H26 1 0 0 0 0 19 0 0 MAG: 0 10735 S09 H26 1 0 0 0 0 19 0 0 MAG: 0 10735 S09 H26 1 0 0 0 0 0 19 0 0 MAG: 0 10735 S09 H26 1 0 0 0 0 0 19 0 0 MAG: 0 10735 S09 H26 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0															
10733 S08 M26 0 0 0 0 16 Q MAG: C 10735 S08 E06 3 0 0 0 16 Q MAG: C 10735 S08 E06 3 0 0 0 16 Q PRO: C 10735 S08 E06 3 0 0 0 16 Q PRO: C 10735 S08 E06 3 0 0 0 16 Q PRO: C 10735 S08 E06 3 0 0 0 16 Q PRO: C 10735 S07 M06 1 0 0 0 17 Q MAG: C 10735 S07 M06 1 0 0 0 17 Q MAG: C 10735 S07 M06 1 0 0 0 17 E PRO: C 10735 S07 M06 1 0 0 0 17 E PRO: C 10735 S07 M06 1 0 0 0 17 E PRO: C 10735 S07 M06 1 0 0 0 17 E PRO: C 10735 S07 M06 1 0 0 0 18 Q MAG: C 10735 S07 M06 S09 M36 S09 M37							10735	SUS	E20	U	U	U	15	Q	
10754 S04 W10 0 0 0 0 16 0 0 0 0 0 16 0 0 0 0 0 0 16 0 0 0 0 0 0 0 0 0	047	16	15	69	122	3									SOL: Erup
10735 S08 E06 3															MAG: Quie
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10734 504 423 1 0 0 17 0 MAGE C 10735 507 406 1 0 0 17 E PRO: C C C C C C C C C C											_				
10735 S07 M06	048	17	16	61	113	. 13									SOL: Erup
049 18 17 51 111 8 10733 S08 W52 0 0 0 18 Q SOL: E 10734 S05 W34 0 0 0 0 18 Q MAG: A 10735 S09 W67 0 0 0 19 Q MAG: A 10735 S09 W32 1 0 0 0 19 Q MAG: A 10735 S09 W32 1 0 0 0 19 Q MAG: A 10735 S09 W32 1 0 0 0 19 Q MAG: A 10735 S09 W32 1 0 0 0 19 Q MAG: A 10735 S09 W32 1 0 0 0 19 Q MAG: A 10735 S09 W32 1 0 0 0 19 Q MAG: A 10735 S09 W32 1 0 0 0 19 Q MAG: A 10735 S09 W32 1 0 0 0 0 20 Q MAG: A 10735 S09 W45 0 0 0 0 20 Q MAG: A 10735 S09 W45 0 0 0 0 20 Q MAG: A 10735 S09 W45 0 0 0 0 20 Q MAG: A 10735 S09 W45 0 0 0 0 20 Q MAG: A 10735 S09 W58 0 0 0 21 Q MAG: A 10735 S09 W58 0 0 0 21 Q MAG: A 10736 W13 W50 0 0 0 21 Q PRO: A 10736 W13 W50 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 0 22 Q MAG: A 10736 W13 W50 0 0 0 0 22 Q MAG: A 10736 W13 W77 0 0 0 0 23 Q MAG: A 10736 W13 W77 0 0 0 0 23 Q MAG: A 10736 W13 W77 0 0 0 0 23 Q MAG: A 10736 W13 W77 0 0 0 0 23 Q MAG: A 10738 W10 W77 0 0 0 0 24 Q MAG: A 10738 W10 W77 W10 0 0 0 24 Q MAG: A 10738 W10															MAG: Quie
10734 S05 M34 0 0 0 188 E PRO: 0 050 19 18 46 104 22 10733 S09 W67 0 0 0 19 0 SOL: E 10735 S10 W18 0 0 0 0 19 0 SOL: E 10735 S09 W32 1 0 0 19 0 M6: A 10735 S09 W32 1 0 0 0 19 E PRO: 0 051 20 19 51 99 14 10733 S08 W80 0 0 0 0 20 0 M6: A 10735 S09 W45 0 0 0 0 20 0 M6: A 10735 S09 W45 0 0 0 0 20 0 M6: A 10735 S09 W45 0 0 0 0 20 E PRO: 0 052 21 20 60 96 11 10733 S08 W93 0 0 0 21 0 M6: A 10735 S09 W45 0 0 0 0 21 0 M6: A 10735 S09 W58 0 0 0 21 0 M6: A 10735 S09 W58 0 0 0 21 0 M6: A 10735 S09 W58 0 0 0 21 0 M6: A 10736 M13 W50 0 0 0 22 0 M6: A 10736 M13 W50 0 0 0 22 0 M6: A 10736 M13 W50 0 0 0 22 0 M6: A 10736 M13 W50 0 0 0 22 0 M6: A 10736 M13 W77 0 0 0 22 0 M6: A 10736 M13 W77 0 0 0 23 0 M6: A 10736 M13 W92 0 0 0 23 0 M6: A 10736 M13 W92 0 0 0 24 0 M6: A 10738 S10 E10 0 0 0 24 0 M6: A 10738 S10 E10 0 0 0 25 0 M6: A 10738 S10 E10 0 0 0 25 0 M6: A 10738 S10 E10 0 0 0 25 0 M6: A 10738 S10 E10 0 0 0 26 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10738 S10 E10 0 0 0 0 27 0 M6: A 10739 S04 E52 0 0 0 0 27 0 M6: A 10739 S04 E52 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A 10739 S04 E58 0 0 0 0 0 28 M6: A							10735	S07	W06	1	0	0	17	E	PRO: Quie
10735 \$10 \$18 \$0 \$0 \$0 \$18 \$E \$PRO : \$0 \$10 \$18 \$E \$PRO : \$0 \$10 \$	049	18	17	51	111	8	10733	808		0		0	18	Q	SOL: Erup
050 19 18 46 104 22 10733 S09 W67 0 0 0 19 Q SOL: E 10734 S05 W50 0 0 0 0 19 Q MAG: A 10735 S09 W32 1 0 0 0 19 E PRO: 0 0 0 0 19 E PRO: 0 0 0 0 0 19 E PRO: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										-	-				MAG: Acti
10734 S05 W50 0 0 0 199 E PRO: 0 051 20 19 51 99 14 10733 S08 W80 0 0 0 20 Q SOL: E 10735 S09 W45 0 0 0 0 20 Q MAG: A 10735 S09 W45 0 0 0 0 20 Q MAG: A 10735 S09 W45 0 0 0 0 20 E PRO: 0 052 21 20 60 96 11 10733 S08 W93 0 0 0 21 Q MAG: A 10736 N13 W50 0 0 0 21 Q MAG: A 10736 N13 W50 0 0 0 21 Q MAG: A 10736 N13 W50 0 0 0 21 Q MAG: A 10736 N13 W50 0 0 0 21 Q MAG: A 10736 N13 W50 0 0 0 21 Q MAG: A 10736 N13 W50 0 0 0 21 Q MAG: A 10736 N13 W50 0 0 0 21 Q MAG: A 10736 N13 W50 0 0 0 22 Q MAG: A 10736 N13 W50 0 0 0 22 Q MAG: A 10736 N13 W50 0 0 0 22 Q MAG: A 10736 N13 W50 0 0 0 22 Q MAG: A 10736 N13 W77 0 0 0 22 Q MAG: A 10737 S07 W31 0 0 0 24 Q MAG: A 10737 S07 W31 0 0 0 24 Q MAG: A 10737 S07 W31 0 0 0 24 Q PRO: A 10737 S07 W31 0 0 0 24 Q PRO: A 10737 S07 W31 0 0 0 24 Q PRO: A 10738 S10 E10 0 0 0 25 Q MAG: A 10737 S07 W31 0 0 0 25 Q MAG: A 10737 S07 W31 0 0 0 24 Q PRO: A 10738 S10 E10 0 0 0 25 Q MAG: A 10737 S07 W31 0 0 0 25 Q SOL: A 10738 S10 E10 0 0 0 25 Q MAG: A 10737 S07 W31 0 0 0 25 Q SOL: A 10738 S10 E10 0 0 0 25 Q MAG: A 10737 S07 W31 0 0 0 0 25 Q MAG: A 10737 S07 W31 0 0 0 0 25 Q MAG: A 10737 S07 W31 0 0 0 0 25 Q MAG: A 10737 S07 W31 0 0 0 0 25 Q MAG: A 10738 S10 E10 0 0 0 25 Q MAG: A 10739 S04 E52 0 0 0 0 27 Q MAG: A 10739 S04 E52 0 0 0 0 27 Q MAG: A 10739 S04 E52 0 0 0 0 27 Q MAG: A 10739 S04 E52 0 0 0 0 27 Q MAG: A 10739 S04 E52 0 0 0 0 28 Q SOL: A 10739 S04 E52 0 0 0 0 28 Q SOL: A 10739 S04 E52 0 0 0 0 28 Q SOL: A 10739 S04 E52 0 0 0 0 28 Q SOL: A 10739 S04 E52 0 0 0 0 0 28 Q SOL: A 10739 S04 E52 0 0 0 0 0 28 Q SOL: A 10739 S04 E52 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0 0 0 0 28 Q SOL: A 10739 S04 E53 0 0 0							10735	S10	⊌18	0	0	0	18	E	PRO: Quie
10735 S09 W32 1 0 0 0 19 E PRO: 0 051 20 19 51 99 14 10733 S08 W80 0 0 0 20 Q MAG: 0 10736 S09 W45 0 0 0 0 20 Q MAG: 0 10735 S09 W45 0 0 0 0 20 Q MAG: 0 052 21 20 60 96 11 10735 S08 W93 0 0 0 21 Q MAG: 0 10736 S09 W58 0 0 0 21 Q MAG: 0 10736 N13 W50 0 0 0 21 Q MAG: 0 10736 N13 W50 0 0 0 21 Q MAG: 0 10736 N13 W50 0 0 0 21 Q MAG: 0 10736 N13 W50 0 0 0 21 Q MAG: 0 10736 N13 W50 0 0 0 22 Q MAG: 0 10736 N13 W77 0 0 0 22 Q MAG: 0 10736 N13 W77 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 23 Q MAG: 0 10736 N13 W92 0 0 0 24 Q MAG: 0 10736 N13 W92 0 0 0 24 Q MAG: 0 10736 N13 W92 0 0 0 24 Q MAG: 0 10738 S10 E10 0 0 24 Q MAG: 0 10738 S10 E10 0 0 24 Q PRO: 0 1056 25 24 17 80 5 10737 S09 W44 0 0 0 25 Q MAG: 0 10739 S04 E38 0 0 0 27 Q SOL: 0 10739 S04 E38 0 0 0 0 27 Q SOL: 0 10739 S04 E38 0 0 0 0 27 Q MAG: 0 10739 S04 E38 0 0 0 0 27 Q MAG: 0 10739 S04 E38 0 0 0 0 27 Q MAG: 0 10739 S04 E38 0 0 0 0 27 Q MAG: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 0 0 28 Q SOL: 0 10739 S04 E38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	050	19	18	46	104	22	10733	s09		0	0	0	19	Q	SOL: Erup
051 20 19 51 99 14 10733 S08 W80 0 0 0 20 Q SOL: 0 MAE: 0 0 0 0 20 Q MAE: 0 0 0 0 0 20 Q MAE: 0 0 0 0 0 20 E PRO: 0 052 21 20 60 96 11 10733 S08 W93 0 0 0 21 Q MAE: 0 0 0 0 21 Q MAE: 0 0 0 0 21 Q MAE: 0 0 0 0 0 21 Q MAE: 0 0 0 0 0 21 Q MAE: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								S05		0	0	0	19	Q	MAG: Acti
10734 S05 M45 0 0 0 0 20 E PRC: 0 10735 S09 W45 0 0 0 0 20 E PRC: 0 1052 21 20 60 96 11 10733 S08 M76 0 0 0 0 21 Q MAG: 0 10735 S09 W58 0 0 0 0 21 Q MAG: 0 10736 N13 W50 0 0 0 0 21 Q PRC: 0 10736 N13 W50 0 0 0 0 21 Q MAG: 0 10736 N13 W63 0 0 0 0 21 Q MAG: 0 10736 N13 W63 0 0 0 0 22 Q MAG: 0 10736 N13 W63 0 0 0 0 22 Q MAG: 0 10736 N13 W63 0 0 0 0 22 Q MAG: 0 10736 N13 W77 0 0 0 0 22 Q MAG: 0 10736 N13 W77 0 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 0 24 Q MAG: 0 10736 N13 W77 0 0 0 0 24 Q MAG: 0 10736 N13 W92 0 0 0 24 Q MAG: 0 10738 S10 E10 0 0 0 24 Q PRC: 0 10738 S10 E10 0 0 0 25 Q MAG: 0 10738 S10 E10 0 0 0 25 Q MAG: 0 10737 26 25 24 17 80 5 10737 S09 W44 0 0 0 0 25 Q MAG: 0 10738 S10 E10 0 0 0 26 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 NAC: 0 107							10735	s09	W32	1	0	0	19	E	PRO: Quie
10734 S05 W45 0 0 0 0 20 E PRO: 0 10735 S09 W45 0 0 0 0 20 E PRO: 0 1052 21 20 60 96 11 10733 S08 W93 0 0 0 21 Q MAG: 0 10735 S09 W58 0 0 0 0 21 Q MAG: 0 10735 S09 W58 0 0 0 0 21 Q PRO: 0 10736 N13 W50 0 0 0 21 Q PRO: 0 10736 N13 W63 0 0 0 0 21 Q MAG: 0 10736 N13 W63 0 0 0 0 21 Q MAG: 0 10736 N13 W63 0 0 0 0 22 Q MAG: 0 10736 N13 W63 0 0 0 0 22 Q MAG: 0 10736 N13 W63 0 0 0 0 22 Q MAG: 0 10736 N13 W77 0 0 0 22 Q MAG: 0 10736 N13 W77 0 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 0 23 Q MAG: 0 10736 N13 W77 0 0 0 0 24 Q MAG: 0 10736 N13 W92 0 0 0 24 Q MAG: 0 10737 S07 W31 0 0 0 24 Q MAG: 0 10738 S10 E10 0 0 0 24 Q PRO: 0 10738 S10 E10 0 0 0 25 Q MAG: 0 10737 26 25 24 17 80 5 10737 S09 W44 0 0 0 0 25 Q MAG: 0 10737 26 27 77 11 10737 S11 W59 0 0 0 0 26 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10739 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 27 Q MAG: 0 10730 S04 E52 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 0 28 Q SOL: 0 10730 S04 E52 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	051	20	19	51	99	14	10733	s08	W80	0	0	0	20	Q	SOL: Erup
052 21 20 60 96 11 10733 S08 W93 0 0 0 21 Q MAG: A							10734	S05	W63	0	0	0	20	Q	MAG: Quie
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⁽¹⁾ Region Forecast and Flare (SOL) Advice

Q = Quiet (<50% probability of C-class flares)
E = Eruptive (C-class flares expected, probability >=50%)
A = Active (M-class flares expected, probability >=50%)
M = Major (X-class flares expected, probability >=50%)

A L E R T P E R I O D S The International Space Environment Service

FEBRUARY 2005

(Proton flares expected, probability >=50%) P = Proton W = Warning (activity levels are expected to increase, but no numerical forecast given) / = No forecast available Magnetic (MAG) Geoadvice "Quiet" 'Active' conditions expected (A>= 20 or K = 4)(A>= 30 or K = 5)'Minor' storm expected (A>=50 or K>=6)'Major' storm expected 'Severe' storm expected (A>=100 or K>=7)magstorm in progress (A>= 30 or K>=4) 1 IP1 (activity levels are expected to increase, but no numerical forecast given) 'Warning' no forecast available Proton (PRO) Geoadvice 'Quiet' (10pfu at > 10 MeV) 'Proton' event expected (100pfu at >100 MeV) 'Major' proton event expected proton event in progress 1 IP (>10 MeV) 'Warning' (activity levels are expected to increase, but no numerical forecast given) 0/0 no forecast available

STRATWARM ALERTS STRATWARM ALERTS

Termination of the STRATALERT Reports Stratospheric Research Group, FU Berlin

In the 1960s the stratospheric midwinter warmings were regarded as an exciting and interesting research problem. The observations taken during a warming were scarce but in great demand, and a much desired aim was to launch meteorological rockets when a warming was developing above a station. For this purpose an advisory system was necessary, such as had been established in the international geophysical community for other phenomena, the so-called GEOALERT. Charged by WMO (World Meteorological Organisation) the Stratospheric Research Group of the Freie Universit∑t in Berlin got together with their colleagues of the American Weather Bureau and developed a warning system which was named STRATALERT. It was introduced in 1964 when the IQSY (International Year of the Quiet Sun) began (cf. ALERTING CRITERIA for more information).

The Berlin group was at first responsible for the European space, later for the whole Northern Hemisphere, and issued a STRATALERT report every day during winter, and when needed also a GEOALERT. The alerts were disseminated through the German Weather Service's international net and reached all interested parties everywhere. The STRATALERT reports were an essential source of information about what was going on in the stratosphere, information which at that time would not otherwise have been available to many scientists interested in current conditions. Because of this information it was possible to time experiments, for instance with meteorological rockets, to take place under desired conditions, and local observations could be fitted into and interpreted on the background of a wider field. This information system has served as a basis for decisions made in many large-scale field experiments. A review and classification of stratospheric warmings can be found in SPARC Newsletter No. 15, (Labitzke and Naujokat, 2000, updated table 1).

The winter, 2003/2004, was the last STRATALERT winter. After 41 years we are sorry to announce that we cannot continue this timely warning system in its old format and we could not find a successor. For those who are interested in STRATALERT messages, we provide access to all available messages via ftp: ftp://strat50.met.fu-berlin.de/pub/stratalert

Those interested in the daily development of the stratospheric circulation can find some analyses and different stratospheric parameters based on the ECMWF-data here: http://strat-www.met.fu-berlin.de/cgi-bin/winterdiagnostics.
The general evaluation is, however, left to the user.

Additional data links are (amongst others) available:

US National Centers for Environmental Prediction (CPC/NCEP): http://www.cpc.ncep.noaa.gov/products/stratosphere

Japan Meteorological Agency (JMA): http://okdk.kishou.go.jp/products/clisys/STRAT